

**What is claimed is:**

1. A spring-supported coupling device used in an engine and coupled between a piston and a crankshaft, comprising:

a first connector pivoted to said piston;

5 a second connector pivoted to said crankshaft;

a rod member coupled between said first connector and said second connector and axially movable relative to said first connector and said second connector; and

a spring member axially compressibly connected between said first  
10 connector and said second connector around said rod member.

2. The spring-supported coupling device as claimed in claim 1, wherein said first connector comprises a receptacle at a bottom end thereof, the receptacle of said connector defining a downwardly axially extended receiving hole; said second connector comprises a receptacle at a top end thereof, the  
15 receptacle of said connector defining an upwardly axially extended receiving hole; said rod member has two ends respectively inserted into the receiving hole in the receptacle of said first connector and the receiving hole in the receptacle of said second connector.

3. The spring-supported coupling device as claimed in claim 2, further  
20 comprising two fastening devices respectively fastened to the periphery of the receptacle of said first connector and the periphery of the receptacle of said second connector to fixedly secure two distal ends of said spring member to said first connector and said second connector respectively.